

REPORT OF CHANNEL CONDITIONS (FOR CHANNELS 400 FEET WIDE OR GREATER) (ER 1130-2-316)							Page 1 of 3	
							December 2000	
TO: Director, Marine Division Jacksonville Port Authority, Jacksonville, FL				FROM: USACE, District Engineer Attn: CESAJ-CO-OM Jacksonville, Florida				
RIVER/HARBOR NAME AND STATE Jacksonville Harbor, Duval County, FL				MINIMUM DEPTHS IN EACH 1/4 WIDTH OF CHANNEL ENTERING FROM SEAWARD				
NAME OF CHANNEL	Date of Survey	AUTHORIZED PROJECT			Left Outside Quarter (feet)	Left Inside Quarter (feet)	Right Inside Quarter (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)				
St. Johns Bar Cut (East Section): Cut-3, from 2.1 miles seaward of Red Buoy-4 landward to Red Buoy-8	Feb-2000	800	3.6	42	38.5 (1)	40.9 (1)	41.7 (1)	36.0 (1)
From Red Buoy-8 to extended centerline of Mayport Navy Entrance Channel	Feb-2000	800	0.4	42	38.2 (2)	41.4 (2)	46.0	40.3 (2)
(West Section), from extended centerline of Mayport Navy Entrance Channel to Pilot Town Cut @ Green Buoy-11	Feb-2000	800	1.7	38	34.1 (3)	37.1 (3)	37.4 (3)	32.7 (3)
Pilot Town Cut: Cut-4 thru 6, from Green Buoy-11 to Mayport South Ferry Slip & Anchorage	Feb-2000	950	1	38	27.5 (4)	38.8	39.1	36.0
Mayport Cut: Cut-7 & 8, from Mayport South Ferry Slip to Red Buoy-18	Feb-2000	650-1050	0.7	38	37.5	38.8	39.2	35.1 (5)
Sherman Cut: Cut-8, from Red Buoy-18 to Red Buoy-20	Feb-2000	650	0.3	38	42.7	39.3	38.9	34.9 (6)
Mile Point Lower Range and Turn: Cut-9 thru 13, from Red Buoy-20 to Red Buoy-24	Feb-2000	650	0.9	38	38.9	38.9	37.2	30.0 (7)
Training Wall Reach: Cut-13 thru 16, from Red Buoy-24 to Green Buoy-25	Feb-2000	500-650	1.4	38	37.9	38.9	38.8	35.5 (8)
Short Cut Turn: Cut-17 thru 19, from Green Buoy-25 to Green Buoy-27	Feb-2000	545-600	0.6	38	34.7 (9)	40.8	41.7	40.9
White Shells Cut: Cut-39 & 40, from Green Buoy-27 to Red Buoy-34	Feb-2000	545-1200	0.8	38	35.8 (10)	38.3	38.4	40.4
St. Johns Bluff Reach: Cut-40 & 41, from Red Buoy-34 to Green Buoy-35 and East Blount Island Channel Widener	Feb-2000	1200-1400	0.6	38	37.2 (11)	37.8 (11)	37.0 (11)	37.3 (11)
Dames Pt-Fulton Cutoff: Cut-42, from Green Buoy-35 to Junction with Dames Point Bridge	Feb-2000	500-1200	3	38	33.3 (12)	34.2 (12)	35.3 (12)	34.5 (12)
Dames Pt Turn thru Quarantine Isl Upper Range: Cut-43 & 44, from Dames Point Bridge to Green Buoy-51	Feb-2000	550-1200	1.3	38	31.7 (13)	38.3	37.8	27.8 (13)
<div> <div>ENG FORM 4021-R, NOV 90</div> <div>EDITION OF JUL 59 IS OBSOLETE</div> <div>(Proponent:CECW-OW)</div> </div>								

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NAME OF CHANNEL	Date of Survey	AUTHORIZED PROJECT			Left Outside Quarter (feet)	Left Inside Quarter (feet)	Right Inside Quarter (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)				
Brills Cut: Cut-45 & 46, from Green Buoy-51 to Green Buoy-55	Feb-2000	450-625	1.2	38	36.8 (14)	37.9	38.2	34.6 (14)
Broward Pt Turn: Cut-47 thru 49, from Green Buoy-55 to Green Buoy-59	Feb-2000	450-850	1	38	24.1 (15)	38.4	37.8	37.7
Drummond Creek Range: Cut-50, from Green Buoy-59 to Green Buoy-61	Feb-2000	400	1.2	38	37.6	38.5	37.9	33.7 (16)
Trout River Cut: Cut-51, from Green Buoy-61 to Green Buoy-69	Feb-2000	400-850	1.5	38	35.6 (17)	37.7	40.2	37.3 (17)
Chaseville Turn: Cut-52 thru 54, from Buoy-69 to approximately 600 feet southeast of Green Buoy-71	Feb-2000	500-800	0.6	38	34.1 (18)	38.5	37.9	36.2 (18)
Long Branch Range: Cut-55, from 600 feet southeast of Green Buoy-71 to Terminal Channel	Feb-2000	650-1340	0.7	38	35.8 (19)	37.7	40.5	38.0
Terminal Channel: from easterly end to 2,400 feet (0.4 nm) north of Green Buoy-75	Feb-2000	575-1340	0.7	38	36.1 (20)	37.8	37.6	35.5 (20)
From 2,400 feet (0.4 nm) north to 400 feet south of Green Buoy-75	Feb-2000	575	0.5	38	34.3 (21)	35.2 (21)	35.7 (21)	34.2 (21)
From 400 feet south of Green Buoy-75 to Red Buoy-78.	Feb-2000	575	0.6	34	27.4 (22)	30.2 (22)	31.6 (22)	32.0 (22)
From Red Buoy-78 to end of Terminal Channel	Feb-2000	575-1150	1.7	34	27.2 (23)	30.3 (23)	25.4 (23)	20.6 (23)
Blount Island Channel: Cut-F & G, from junction of Cut-42 to Blount Island Bridge	Feb-2000	300-1225	2	30	24.3 (24)	31.0	29.5	27.0 (24)
Widener; Fulton-Dame Cutoff & Cut-G	Feb-2000	0-450	0.3	30	33.4	33.8	33.6	29.4 (25)
Blount Island East Channel; (Cut-A)	Feb-2000	300	1	30	21.9 (26)	24.2 (26)	20.6 (26)	17.1 (26)

Remarks:

1. Minor shoaling throughout left outside and right outside quarters of channel, located 1,500 feet either side of Buoy's 3 & 4. Shoaling along southern edge of channel, 300 feet east of Green Buoy-7 (least depth located here).
2. Shoaling along southern edge of channel, 200 feet east of Green Buoy-7 (least depth located here). Minor shoaling along northern edge of channel.
3. Minor shoaling along both northern and southern edges of channel. Least depth is located approximately 1,100 feet east of Green Buoy-11.

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4. Shoaling along southern edge of channel. Least depth located approximately 750 feet westerly of Green Buoy-11 at southern edge of channel. Minor shoaling along northern edge of channel in Cut-6.
5. Shoaling along northern edge of channel at eastern end of Cut-7.
6. Shoaling along northern edge of channel, 200 to 300 feet west of Red Buoy-18.
7. Shoaling along northern side of channel beginning at Red Buoy-20 extending to 600 feet easterly of Red Buoy-22. Least depth is located 200 feet west of Red Buoy-20.
8. Shoaling along northern edge of Cut-14/15, approximately 3,200 feet (0.5 nm) westerly of Red Buoy-24.
9. Shoaling along southern edge of channel, Cut-19, just east of Green Buoy-27.
10. Shoaling along southern edge of channel from Green Buoy-27 extending approximately 1,200 feet westerly. Least depth is located approximately 200 feet west of Green Buoy-27.
11. Shoaling in left outside quarter of Cut-41, approximately 1,200 feet west of Green Light-33. Least depth located in right inside quarter north of Green Buoy-35.
12. Shoaling along southern edge of widener between Cut-41 & 42. Least depth located approximately 250 feet east of Green Buoy-37. Shoaling in center of channel, approximately 1,400 feet west of Red Buoy-38.
13. Shoaling along southern edge of Cut-43, approximately 1,300 feet west of bridge. Shoaling along northern edge of Cut-43, east of Red Buoy-48. Least depth is approximately 750 feet east of Buoy-48 at north edge of channel.
14. Shoaling mostly along northern edge of channel. Most prevalent shoaling occurs along northern edge of Cut-45 and extends 60-70 feet into channel.
15. Shoaling along southern edge of widener between Cut-47 & 48, extending as much as 130 feet north toward channel.
16. Shoaling along north edge of Cut-50, from Red Buoy-58 extending westerly. Shoaling extends into channel a maximum distance of 75 feet.
17. Shoaling along eastern edge of widener between Cuts-50 & 51. Least depth located approximately 900 feet north of Green Buoy-67 near east edge of channel. Slight shoaling along west edge of channel 150 feet south of Red Buoy-68.
18. Shoaling along eastern edge of Cut-53 & 54 extending a maximum of 75 feet into channel. Least depth occurs approximately 900 feet north of Green Buoy-71. Spot shoal on west side of channel, near turn for Cut-52 & 53, located approximately 100 feet east of west edge of channel.
19. Shoaling along easterly edge of channel at north end of Cut-55. Least depth located approximately 1,300 feet southeast of Green Buoy-71.
20. Shoaling in eastern corner of turn between Cut-55 & Terminal Channel. Shoaling along west edge of channel then extending across entire right outside quarter at end of reach.
21. Shoaling throughout entire reach.
22. Shoaling in left outside quarter of channel, 500 feet south of Green Buoy-75. Shoaling continues across entire eastern half of channel beginning 800 feet south of and extending to Green Buoy-77. Shoaling then encompasses entire channel to end of reach at Red Buoy-78.
23. Shoaling continues diagonally across channel easterly from Red Buoy-78 to approximately 2,000 (0.3 nm) south of Buoy-78. Shoaling throughout southern end of channel beginning approximately 800 feet south of Green Buoy-79.
24. Shoaling along western edge of widener of Cut-G/Cut-42 extending a maximum of 80 feet into channel. Least depth located here. Shoaling along eastern edge of Cut-G extending a maximum of 60 feet into channel.
25. Shoaling in north end of widener.
26. Shoaling throughout most of reach.